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REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) CMCC 450 DIV REI
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I hereby declare that:

Each Inventor's residence, mailing address and citizenship are stated below next to their name.
 I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6,348,069 granted February 19, 2002 and for which a reissue patent is sought on the invention entitled Engineering of Strong, Pliable Tissue.

the specification of which

- is attached hereto.
- was filed on February 19, 2004 as reissue application number 10/782,750
 and was amended on _____.
 (If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

- I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- by reason of a defective specification or drawing.
- by reason of the patentee claiming more or less than he had the right to claim in the patent.
- by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

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This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Compliance is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 30 minutes to complete, including time for review, preparation, and submission of the completed application form to the USPTO. There will vary depending upon the individual circumstances of your case. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

This application was filed to correct errors in claim 1. Claim 1 was amended by removing the step of "implanting into an animal or human the matrix at a site where the resulting cell-construct is needed". Deletion of the second implanting step serves to encompass methods wherein the matrix was cultured in vivo as well as in an equivalent method, such as a bioreactor. Claim 1 was directed to a "cell-matrix construct" and not positively limited to heart valve constructs. New claim 20 was added to include language that further defines the matrix, where the matrix includes "struts" or "support" elements, which were not previously claimed.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) CMCC 450 DIV REI
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.		
Note: To appoint a power of attorney, use form PTO/SB/81.		
Correspondence Address: Direct all communications about the application to:		
<input checked="" type="checkbox"/> The address associated with Customer Number: 23579 OR <input type="checkbox"/> Firm or Individual Name _____ Address _____		
City	State	Zip
Country		
Telephone	Email	
WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.		
Full name of sole or first Inventor (given name, family name) Joseph P. Vacanti		
Inventor's signature	Date	
Residence 14 Woodside Rd., Winchester, MA 01890	Citizenship	U.S.
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Full name of second joint Inventor (given name, family name) Christopher K. Breuer		
Inventor's signature	Date	
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Mailing Address 58 Farm View Road, Bethany, CT 06524		
<input type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.		

Approved for use through 02/28/2010. GMB 0591-0332
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PTO/EB-02A (07-07)

DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet
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Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Beverly E.		Family Name or Surname Chaignaud	
Inventor's Signature <i>Beverly E. Chaignaud</i>			Date 6/3/10
Residence: City Birmingham Alabama 35243	State AL	U.S. Country	U.S. Citizenship
Mailing Address Birmingham City	AL State	35243 Zip	U.S. Country
Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Toshiraru		Family Name or Surname Shin'oka	
Inventor's Signature <i>Toshiraru</i>			Date
Residence: City Milford Connecticut 06460	State CT	U.S. Country	Japan Citizenship
Mailing Address Milford City	Connecticut State	06460 Zip	U.S. Country
Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature <i>[Signature]</i>			Date [Signature]
Residence: City	State	Country	Citizenship
Mailing Address City	State	Zip	Country

This collection of information is required by 35 U.S.C. 116 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to be used (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form, and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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